

WHAT IS CLAIMED IS:

1. A seat mechanism for fastening electrical contacts in a battery compartment, comprising:

an integral housing;

5 a plurality of first openings inside the housing;

a second opening on a surface of the housing;

a well formed on the housing, the well including a portion corresponding to the first openings and being in communication therewith, the remaining portion corresponding to the second opening and being in communication therewith,

10 and at least one cell groove so that a plurality of cells can be installed sequentially in the cell groove by passing the second opening;

at least one first seat at one end of the cell groove adjacent to the first openings, the first seat including a first indentation at one end thereof distal from the cell groove, the first indentation being in communication with inside of the first seat so that one of the electrical contacts can be fastened in the first seat by means of the first indentation;

15 at least one first inclined protrusion in the first seat, the first inclined protrusion being obliquely projected away from the first indentation and having a predetermined length; and

20 at least one L-shaped recess at one side of the first seat adjacent to the first indentation, the L-shaped recess including a vertical hole and a horizontal hole in communication with the vertical hole.

2. The seat mechanism of claim 1, wherein each of the electrical contacts is formed of metal conductor and is extended helically to form a body and an elongate extension having a predetermined length extended away from the body so that the body is fastened in the first seat by the first inclined protrusion when the body is inserted through the first indentation into the first seat and the

extension is fastened at one end of the horizontal hole by its elasticity after has been inserted through the vertical hole into the horizontal hole, thereby fastening the whole electrical contact in the first seat.

3. The seat mechanism of claim 1, further comprising a second seat at the other end of the cell groove adjacent to the second opening, the second seat including a second indentation at one end thereof distal from the cell groove, the second indentation being in communication with inside of the second seat, a second inclined protrusion obliquely projected away from the second indentation, the second inclined protrusion having a predetermined length.
4. The seat mechanism of claim 2, wherein each of the electrical contacts is a three-dimensional helical spring.
5. The seat mechanism of claim 2, wherein each of the electrical contacts is a flat coil spring.
6. The seat mechanism of claim 4, further comprising two recessed members at both sides of the first seat so as to facilitate mounting the three-dimensional helical spring in the first seat.
7. The seat mechanism of claim 6, wherein the cell grooves are formed in a plural form and are parallel in the well and the recessed members are disposed in each of the cell grooves and are spaced apart from first seat.